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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/765,287	01/27/2004	William M. Andre	#012 [2756.3012.001]	9184	
7590 11/24/2006			EXAMINER		
William M. Fr	ancis	ROSS, DANA			
Reising, Ething P.O. Box 4390	ton, Barnes, Kisselle, P.C.	ART UNIT	PAPER NUMBER		
Troy, MI 48099-4390			3722		
			DATE MAILED: 11/24/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applic	ation No.	Applicant(s)					
Office Action Summary		10/765	5,287	ANDRE ET AL.	ANDRE ET AL.				
		Exami	ner	Art Unit					
		Dana F		3722					
	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply								
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).									
Status									
1) 又	Responsive to communication(s) file	d on <u>18 Septembe</u>	er 2006.						
,	This action is FINAL . 2b) This action is non-final.								
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is								
,	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.								
Disposition of Claims									
4)⊠	4)⊠ Claim(s) <u>1-25</u> is/are pending in the application.								
	4a) Of the above claim(s) is/are withdrawn from consideration.								
5) Claim(s) is/are allowed.									
6)⊠	6)⊠ Claim(s) <u>1,2,7,9-12,17 and 19-25</u> is/are rejected.								
	7)⊠ Claim(s) <u>3-6,8,13-16 and 18</u> is/are objected to								
8)□	8) Claim(s) are subject to restriction and/or election requirement.								
Applicat	ion Papers								
	The specification is objected to by th								
10)⊠ The drawing(s) filed on <u>18 September 2006</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.									
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).									
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).									
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.									
•	under 35 U.S.C. § 119								
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:									
	1. Certified copies of the priority documents have been received.								
2. Certified copies of the priority documents have been received in Application No.									
3. Copies of the certified copies of the priority documents have been received in this National Stage									
application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.									
See the attached detailed Office action for a list of the certified copies not received.									
Attachment(s) 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)									
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date									
3) Infor	3) Information Disclosure Statement(s) (PTO/SB/08) 5) Notice of Informal Patent Application								
Paper No(s)/Mail Date 6) L Other:									

DETAILED ACTION

Drawings

1. The replacement drawing sheet for figure 4 was were received on 18 September 2006.

These drawings are acceptable.

Claim Objections

2. The objection to the claims is withdrawn due to Applicant's amendment filed 18 September 2006.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 4. Claims 1, 2, 7, 9, 11, 12, 17, 19, and 21-23 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent No. 5,429,376 to Mueller et al.

Mueller et al. discloses an apparatus (C) to releaseably retain a workpiece (W) comprising: a body (12); at least one diaphragm (45) carried by the body and defining at least in part a fluid chamber (44b) constructed to contain a fluid. The at least one diaphragm having an annular flange portion axially abutting and attached to at least a portion of the body (see figs.1, 5). At least one collet (22) having at least one displacement relief (see fig. 2), a diaphragm engaging surface and a workpiece engaging surface (see fig. 5), and being carried by the body (see figs.1, 5). When the fluid in the fluid chamber is pressurized a drive force is transmitted through the at least one diaphragm and the at least one collet to urge the at least one collet into

engagement with the workpiece to releasably retain the workpiece (see Abstract). At least one interengagement feature (48) interengaging the at least one diaphragm, and the at least one collet to resist the at least one collet from twisting relative to the at least one diaphragm (see figs.1, 5). A ring member (21) disposed axially rearward of the at least one collet (see fig.1); and at least one drive pin (26) extending axially through the at least one collet and into a portion of the ring member to resist the at least one collet from twisting relative to the at least one diaphragm (see figs.1, 5).

5. Claims 1, 2, 9-12, and 19-23 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent No. 6,015,154 to Andre et al.

Andre et al. discloses an apparatus (10) to releaseably retain a workpiece (12) comprising: a body (30); at least one diaphragm (26) carried by the body and defining at least in part a fluid chamber (18) constructed to contain a fluid. The at least one diaphragm having an annular flange portion axially abutting and attached to at least a portion of the body (see fig.1). At least one collet (14) having at least one displacement relief (24), a diaphragm engaging surface, a workpiece engaging surface, and being carried by the body (see fig.1). When the fluid in the fluid chamber is pressurized a drive force is transmitted through the at least one diaphragm and the at least one collet to urge the at least one collet into engagement with the workpiece to releasably retain the workpiece (see columns 1 and 2, lines 53-67 and 1-2, respectively). At least one interengagement feature (50) interengaging the at least one diaphragm, and the at least one collet to resist the at least one collet from twisting relative to the at least one diaphragm (see fig.1). The apparatus is an arbor such that the workpiece substantially circumscribes the at least one collet and fluid pressure acts through the at least one diaphragm to expand the at least one

collet radially outwardly into engagement with the workpiece (see fig.1, and columns 1 and 2, lines 53-67 and 1-2, respectively).

6. Claims 1, 2, 9, 10, 22, and 23 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent No. 5,441,284 to Mueller et al.

Mueller et al. discloses an apparatus (10) to releaseably retain a workpiece (12) comprising: a body (22); at least one drive member (82) carried by the body and defining at least in part a fluid chamber (116) constructed to contain a fluid. The at least one drive member having an annular flange portion axially abutting and attached to at least a portion of the body (see figs.1, 5). At least one driven member (34) is carried by the body (see fig.1), and having at least one displacement relief (38). When the fluid in the fluid chamber is pressurized a drive force is transmitted through the at least one drive member and the at least one driven member to urge the at least one driven member into engagement with the workpiece to releasably retain the workpiece (see fig. 5, and column 1, lines 42-57). At least one interengagement feature (132) interengaging the at least one drive member, and the at least one driven member to resist the at least one driven member from twisting relative to the at least one drive member (see fig.1). The apparatus is an arbor such that the workpiece substantially circumscribes the at least one driven member and fluid pressure acts through the at least one drive member to expand the at least one driven member radially outwardly into engagement with the workpiece (see fig.1, and column 1, lines 42-57).

7. Claims 21, 24 and 25 are rejected under 35 U.S.C. 102(b) as being anticipated by US Pat. No. 4,699,389 (Buck).

Buck teaches a collet 31 with interengagement elements (threaded and splined, see figures 2 and 3, for example) engaging sleeve (diaphragm) 15.

Allowable Subject Matter

8. Claims 3-6, 8, 13-16, and 18 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

9. Applicant's arguments with respect to independent claims 1, 11 and 22 filed 18 September 2006 have been fully considered but they are not persuasive.

Applicant's arguments with respect to claim 21 have been considered but are moot in view of the new ground(s) of rejection.

Applicant's arguments are directed towards the independent claims 1, 11, 21 and 22. Claims 1, 11 and 22 have not been amended. Claim 21 has additional new claim limitations.

On pages 12 and 13 of the arguments, it appears that Applicant is asserting that since the "ring" is on the "retainer" instead of on the "body" on each of the cited prior art, that the claim limitations of Independent claims 1 and 22 are not met.

Examiner notes that claims 1 and 22 are broad claims in that the limitation of "the body" can be considered different parts of the workholding apparatus. For example, Mueller '284 shows a body 22, which can also include parts shown near the reference numbers 24 or 78 (for example). The drive member can be considered any part that is carried by the body, including

parts 82, 78 or 120 (for example). It is noted that each of these parts include an annular flange portion axialy abutting and attached to at least "a portion of said body". The fluid chamber (see area of reference number 112) is "at least partially" defined between the "drive member" and "body".

Examiner further notes that although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. The broad claim limitations of Independent claims 1 and 22 are clearly found in the cited prior art.

Page 13, Applicant asserts the same argument towards claim 11. Examiner disagrees with Applicant and refers Applicant to the above response to claims 1 and 22.

In an effort to expedite prosecution, Examiner makes the following comments regarding claim 21: Page 14, Applicant asserts that the prior art does not teach a "collet" having interengagement elements engaging a "diaphragm". Examiner disagrees and notes that a collet is a sleeve, and a stop ring is a diaphragm (a partition) based on the general definitions of a collet and a diaphragm.

Conclusion

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dana Ross whose telephone number is 571-272-4480. The examiner can normally be reached on Mon-Thurs.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Monica Carter can be reached on 571-272-4475. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Dana Ross Examiner Art Unit 3722

dmr

William M. Andre et al Ser. No. 10/765,287 #012 [2756.3012.001] 2/4



